```
23feb05 11:27:20 User259284 Session D3084.2
File   2:INSPEC 1969-2005/Feb W2

Set     Items    Description
S1      25679    'LIGHT EMITTING DEVICES' OR R3:R6
S2      16322    R1:R7
S3      45864    R1:R3 OR R6:R11 OR R13:R14
S4      53186    S1:S3
S5       5591    R2:R3 OR (PIGMENT???? OR DYE??? OR COLOR????? OR COLOUR????? OR HUE?? OR TINT????? OR
CHROMA????)(3N)(FILM?? OR LAYER??? OR INTERPO???? OR INTER OR INTERL???? OR COAT?????)
S6        521    4AND5
S7      18124    R1:R2 OR RESIN??????
S8          7    6AND7
S9       5518    GATE?? AND "N"(3N)(CONDUCT?????? OR TYPE?? OR CHANNEL????? OR DOP????? OR IMPUR?????)
S10        77    S1:S7 AND S9
S11         0    S10 AND CI=(SI SS(S)N SS)(S)NE=3
S12         1    S10 AND CI=(SI BIN(S)N BIN)
S13         0    S10 AND CI=(SI SS(S)N SS(S)O SS)
S14         1    S10 AND (SIN OR SI3 OR SION OR SI3N4 OR OXYNITRIDE?? OR NITRIDE??)(3N)(FILM?? OR LAYER??)
S15         1    S12 OR S14
S16         1    S15 NOT S8



        23feb05 11:35:07 User259284 Session D3084.3
SYSTEM:OS  - DIALOG OneSearch
   File  34:SciSearch(R) Cited Ref Sci 1990-2005/Feb W2
   File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec


Set     Items    Description
S1         15    CR='HEIN P, 1993, V13, P655, SENSOR ACTUAT B-CHEM':CR='HEIN P, 1993, V14, P655, SENSOR ACTUAT . . .
S2          0    S1 AND RESIN?????
S3          0    S1 AND COLOR????????
S4          0    S1 AND COLOUR???????
S5          0    S1 AND SANDWICH??????????
S6         10    S1 AND GATE??
S7          2    S1 AND "N"
S8          2    6AND7



        23feb05 11:36:57 User259284 Session D3084.4
File   2:INSPEC 1969-2005/Feb W2

Set     Items    Description
S1        456    RESIN??????(10N)(COLOR????? OR COLOUR?????)
S2          2    S1 AND GATE??
S3          3    S1 AND CHANNEL??
S4          4    S1 AND "N"
S5          4    S1 AND (PICTURE OR PIXEL?????)
S6          0    2AND3
S7          0    2AND4
S8          0    3AND4
S9         13    S2:S5



        23feb05 11:40:16 User259284 Session D3084.6
SYSTEM:OS  - DIALOG OneSearch
   File  34:SciSearch(R) Cited Ref Sci 1990-2005/Feb W2
   File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

Set     Items    Description
S1          1    CR='SANO Y, 1991, V6, P219, OPTOELECTRON DEVICES'
```

```
        CAS/STN FILE 'HCAPLUS' ENTERED AT 15:18:53 ON 22 FEB 2005
L1          1    S    US2001055841/PN


        FILE 'WPIX, HCAPLUS' ENTERED AT 15:19:08 ON 22 FEB 2005
L2          2    S    US2001055841/PN
L3               SEL PLU=ON  L2 1- PRN :        1 TERM
L4          2    S    L3
L5               SEL PLU=ON  L4 1- RN IC :       22 TERMS
L6    1581582    S    L5
L7          2    S    L4 AND L6
L8          1    S    L7 AND (COLOUR###### OR COLOR#########)


        FILE 'STNGUIDE' ENTERED AT 15:21:35 ON 22 FEB 2005


        FILE 'REGISTRY' ENTERED AT 15:37:10 ON 22 FEB 2005
L9       2319    S    N.SI/MF OR N SI/ELF OR N O SI/ELF OR N.O.SI/MF OR SILICON NITRIDE OR SILICON OXYNITRIDE OR
SILICON OXIDE NITRIDE OR SILICON NITRIDE OXIDE


        FILE 'HCAPLUS' ENTERED AT 15:37:43 ON 22 FEB 2005
L10              SEL PLU=ON  L1 1- RN :       13 TERMS


        FILE 'REGISTRY' ENTERED AT 15:38:32 ON 22 FEB 2005
L11         13   S    L10
L12          2   S    L11 AND (POLYMER OR (C/ELS AND H/ELS))
L13       2944   S    RESIN
L14     318363   S    CARBAZOLE OR THIOPHENE
L15       2642   S    L14 AND (HOMOPOLYMER OR MONOMER)
L16          1   S    L14 AND RESIN
L17        124   S    L14 AND (OLIGOMER OR DIMER OR TRIMER OR TETRAMER)
L18       2944   S    RESIN
L19      45506   S    "EPOXY RESIN"/PCT


        FILE 'WPIX, HCAPLUS' ENTERED AT 15:41:37 ON 22 FEB 2005
L20              SEL PLU=ON  L2 1- IC :        9 TERMS


        FILE 'HCAPLUS' ENTERED AT 15:44:39 ON 22 FEB 2005
L21      53342   S    L20


        FILE 'HCAPLUS' ENTERED AT 15:45:17 ON 22 FEB 2005
L22      53342   S    L20
L23      26842   S    (GATE## OR N(2A)(TYPE OR CONDUCT#######) OR ACTIVE LAYER) AND (L22 OR TFT OR THIN FILM
TRANSISTOR OR LIGHT EMIT####### OR LIGHT EMISS####### OR EL OR ELECTROLUM###### OR LED(7A)LIGHT OR
LIGHT(2A)(ELEMENT OR DEVICE OR DIODE))


        FILE 'HCAPLUS' ENTERED AT 15:45:53 ON 22 FEB 2005
L24      53342   S    L20
L25       6584   S    (PICTURE ELEMENT OR PIXEL#####) AND (L24 OR TFT OR THIN FILM TRANSISTOR OR LIGHT
EMIT####### OR LIGHT EMISS####### OR EL OR ELECTROLUM###### OR LED(7A)LIGHT OR LIGHT(2A) (ELEMENT OR DEVICE OR
DIODE))


        FILE 'HCAPLUS' ENTERED AT 15:46:32 ON 22 FEB 2005
L26       3969   S    (GATE## OR N(2A)(TYPE OR CONDUCT#######) OR ACTIVE LAYER) AND (PICTURE ELEMENT OR
PIXEL#####)
L27      32405   S    L23 OR L25 OR L26
L28        908   S    L27 AND (CONDUCTIVITY OR "N" OR TYPE)(4A)CHANNEL##
L29        141   S    L27 AND IMPURITY(4A)CHANNEL##


        FILE 'HCAPLUS' ENTERED AT 15:49:04 ON 22 FEB 2005
L30      53342   S    L20
L31        307   S    DRIVER CIRCUIT AND (PIXEL#### OR PICTURE ELEMENT OR L30 OR TFT OR THIN FILM TRANSISTOR OR
LIGHT EMIT####### OR LIGHT EMISS####### OR EL OR ELECTROLUM###### OR LED(7A) LIGHT OR LIGHT(2A)(ELEMENT OR DEVICE
OR DIODE))


        FILE 'HCAPLUS' ENTERED AT 15:49:40 ON 22 FEB 2005
L32      53342   S    L20
L33         31   S    DRIVER AND "N"(2A)CHANNEL AND (PIXEL#### OR PICTURE ELEMENT OR L32 OR TFT OR THIN FILM
TRANSISTOR OR LIGHT EMIT####### OR LIGHT EMISS####### OR EL OR ELECTROLUM###### OR LED(7A)LIGHT OR
LIGHT(2A)(ELEMENT OR DEVICE OR DIODE))
L34      32574   S    (L27 OR L28 OR L29) OR L31 OR L33
L35      17353   S    L34 AND (INSULAT###### OR DIELEC###### OR GATE(2A)OXIDE OR IG OR IGFET)
L36       4334   S    L34 AND (SIN OR SION OR OXYNITRIDE OR SI3N4 OR (SI OR SILICON)(W)NITRIDE OR L9)
L37        838   S    L34 AND ((L15 OR L16 OR L17 OR L18 OR L19) OR RESIN####)
L38      70051   S    (COLOR#### OR TINT#### OR MULTICOL####### OR COLOUR#### OR DYE#### OR PIGMENT#### OR HUE##
OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR ORANGE OR INDIGO OR             VIOLET)(2A)(LAYER#### OR
MULTIL##### OR SANDWICH##### OR STACK##### OR COAT##### OR INTER OR INTERL##### OR INTERP######)
L39      86135   S    (COLOR#### OR TINT#### OR MULTICOL####### OR COLOUR#### OR DYE#### OR PIGMENT#### OR HUE##
OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR ORANGE OR INDIGO OR             VIOLET)(2A)(FILM OR MEMBRANE OR
UNDERL###### OR OVERL##### OR BETWEEN OR SUBLAYER##### OR SUBCOAT###### OR COAT#######)
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FILE 'HCAPLUS' ENTERED AT 15:49:40 ON 22 FEB 2005
L40      3297    S    L35 AND L36
L41       379    S    L35 AND L37
L42       115    S    L36 AND L37
L43       400    S    L34 AND L38
L44       184    S    L34 AND L39
L45        69    S    (L40 OR L41 OR L42 OR L43) AND L44
L46        63    S    L45 AND (TFT OR THIN FILM TRANSISTOR OR LCD OR LIQUID CRYST######## OR PIXEL#### OR PICTURE
ELEMENT)
L47        69    S    (L45 OR L46)
L48         2    S    L47 AND N TYPE
L49         0    S    L47 AND N CHANNEL
L50     44195    S    (COLOR#### OR TINT#### OR MULTICOL####### OR COLOUR#### OR DYE#### OR PIGMENT#### OR HUE##
OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR ORANGE OR INDIGO OR          VIOLET)(8A)RESIN#####
L51       771    S    (COLOR#### OR TINT#### OR MULTICOL####### OR COLOUR#### OR DYE#### OR PIGMENT#### OR HUE##
OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR ORANGE OR INDIGO OR          VIOLET)(8A)(SIN OR SION OR
OXYNITRIDE OR SI3N4 OR (SI OR SILICON)(W)NITRIDE)
L52        27    S    L50 AND L51
L53         1    S    L47 AND L52
L54         6    S    L47 AND L51
L55         6    S    L47 AND L50
L56         6    S    (L22 OR L23) AND L52
L57         3    S    L1 OR L48
L58        17    S    (L53 OR L54 OR L55 OR L56) NOT L57
L59      2084    S    L33 OR L37 OR (L41 OR L42 OR L43 OR L44 OR L45 OR L46 OR L47) OR (L51 OR L52)
L60        32    S    L59 AND ?CHROMA?
L61        31    S    L60 NOT (L58 OR L48 OR L1)
L62        13    S    L61 AND (TFT OR LIGHT EMIT##### OR ELECTROLUM###########)
L63         0    S    L61 AND DRIVER CIRCUIT
L64         0    S    L61 AND DRIVER
L65         0    S    L61 AND N CHANNEL###
L66     44158    S    (L12 OR L13 OR (L15 OR L16 OR L17 OR L18) OR L19 OR RESIN###) AND (L50 OR L51)
L67      9842    S    L66 AND (L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43
OR L44 OR L45 OR L46 OR L47 OR L48 OR L49)
L68       126    S    L66 AND (L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR L63
OR L64 OR L65)
L69        86    S    (L67 OR L68) AND ELECTROLUM###########
L70        36    S    (L67 OR L68) AND EL
L71        44    S    (L67 OR L68) AND LED
L72        53    S    (L67 OR L68) AND (EMISS####### OR EMIT######)(2A)LIGHT
L73        34    S    (L67 OR L68) AND SOURCE(2A)LIGHT
L74        66    S    (L67 OR L68) AND PHOSPHOR
L75       209    S    (L69 OR L70 OR L71 OR L72 OR L73 OR L74)
L76        33    S    L62 OR (L58 OR L48 OR L1)
L77       202    S    L75 NOT L76
L78        26    S    L77 AND (INTERLAYER##### OR INTERPOS######## OR BETWEEN)
L79       197    S    L77 AND RESIN
L80         8    S    L77 AND (SIN OR SION OR OXYNITRIDE OR SI3N4 OR (SI OR SILICON)(W)NITRIDE OR L9)
L81         5    S    L79 AND L80
L82        26    S    L78 AND L79
L83        11    S    (L80 OR L81 OR L82) AND 2001-2005/PRY
L84         9    S    (L80 OR L81 OR L82) AND 1994-2000/PRY
L85         0    S    ((L80 OR L81 OR L82) NOT P/DT) AND 2001-2005/PRY
L86        18    S    L82 NOT L83
L87        22    S    L84 OR L86
L88         0    S    L78 AND L80
L89       245    S    (L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR
L80 OR L81 OR L82) AND (SANDWICH######## OR INTERP######## OR INTERLAYER####### OR INTER OR
BETWEEN)(4A)RESIN########
L90         2    S    (L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR
L80 OR L81 OR L82) AND (SANDWICH######## OR INTERP######## OR INTERLAYER####### OR INTER OR BETWEEN)(4A)(SION OR
NITRIDE OR OXYNITRIDE OR SIN OR SION OR SI3N4)
L91       255    S    (L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR L77 OR L78 OR L79 OR
L80 OR L81 OR L82) AND (SANDWICH######## OR INTERP######## OR INTERLAYER####### OR INTER OR
BETWEEN)(4A)(COLOR###### OR COLOUR######)
L92        65    S    L89 AND L91
L93        55    S    L87 OR L76
L94        64    S    L92 NOT L93
L95        18    S    L94 AND 2001-2005/PRY
L96        17    S    L94 AND 1993-2000/PRY
L97         1    S    (L94 NOT P/DT) AND 2001-2005/PY
L98        45    S    L94 NOT (L95 OR L97)
L99        45    S    L96 OR L98
L100        0    S    L99 AND N CHANNEL
L101        0    S    L99 AND CONDUCTIVITY
L102        5    S    L99 AND (PIXEL####### OR PICTURE ELEMENT)
L103      119    S    (L92 OR L93 OR L94 OR L95 OR L96 OR L97 OR L98 OR L99 OR L100 OR L101 OR L102)
L104            SEL PLU=ON L103 1- PRN :     122 TERMS
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    FILE 'STNGUIDE' ENTERED AT 16:23:50 ON 22 FEB 2005

    FILE 'WPIX' ENTERED AT 16:24:02 ON 22 FEB 2005
L105        116     S     L104
L106        292     S     (COLOR#### OR TINT#### OR MULTICOLOUR##### OR  MULTICOL####### OR COLOUR#### OR DYE#### OR
PIGMENT#### OR HUE## OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR CHROMAT##### OR CHROMA OR  ORANGE OR INDIGO OR
VIOLET)(8A)(SIN OR SION OR OXYNITRIDE OR SI3N4 OR (SI OR SILICON)(W)NITRIDE)
L107      23337     S     (COLOR#### OR TINT#### OR MULTICOLOUR##### OR  MULTICOL####### OR COLOUR#### OR DYE#### OR
PIGMENT#### OR HUE## OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR CHROMAT##### OR CHROMA OR  ORANGE OR INDIGO OR
VIOLET)(8A)(SANDWICH######### OR BETWEEN OR INTER)
L108       1778     S     (COLOR#### OR TINT#### OR MULTICOLOUR##### OR  MULTICOL####### OR COLOUR#### OR DYE#### OR
PIGMENT#### OR HUE## OR RED OR BLUE OR MAGENTA OR GREEN OR YELLOW OR CHROMAT##### OR CHROMA OR  ORANGE OR INDIGO OR
VIOLET)(8A)(INTERPOS######### OR INTERL########)
L109          3     S     L105 AND L106
L110         30     S     L105 AND L107
L111          4     S     L105 AND L108
L112          7     S     L110 AND (PICTURE ELEMENT OR PIXEL#######)
L113         14     S     L109 OR L111 OR L112
L114                SEL PLU=ON  L113 1- PRN :     15 TERMS

    FILE 'JAPIO' ENTERED AT 16:29:52 ON 22 FEB 2005
L115         13     S     L114
L116          9     S     L115 AND ?COLOR?
L117          0     S     L115 AND ?COLOUR?
L118          6     S     L116 AND ?RESIN?
```